/ Products and Services /

SPX
COOLING TECHNOLOGIES

Cooling Towers

- Heavy industrial
- Chemical processing, refining
- Power generation

Counterflow Field-Erected Cooling Tower—The ultimate in versatility, efficiency, and quality for large scale HVAC, power and industrial facilities. Each tower is customized to meet your exact specifications for performance, structure, drift, and sound. Available in pultruded structural fiberglass, wood (Douglas fir or redwood), or concrete for unsurpassed quality and reliability. Tower cells available from 295 to 6,815 m^3/hr.

Crossflow Field-Erected Cooling Tower—Large splash-fill towers proven in hundreds of installations over the last fifty years. Available in pultruded structural fiberglass or wood (Douglas fir or redwood) for unsurpassed quality and reliability A variety of fill options makes this the most versatile tower for heavy industrial use. Tower cells available from 210 to 7,950 m^3/hr.

Natural Draft Cooling Tower—Concrete natural draft counterflow tower of varying sizes and configurations. Exceptionally efficient and reliable, most commonly used in power generation. Each tower is custom designed for flow rates up to 113,500 m^3/hr or more.

Round Forced-Draft Counterflow Cooling Tower—Reduced power consumption, favorable space requirements, minimized recirculation effects, optimum operational behavior for salt water application and the aesthetic look are only some advantages of round concrete cooling towers with forced draft fans.

Cooling Towers

- HVAC
- Refrigeration
- Light to medium industrial

Ceramic Unilite® Cooling Tower—Combined with superior composite fiberglass materials and advanced heat transfer technology, the result is a high-quality, cost-effective cooling tower that excels across a broad range of HVAC and industrial applications. Tower cells available from 160 to 1,165 m^3/hr. FM approval available.

Balcke CP Cooling Tower—Induced draft, counterflow cooling tower design. The ideal solution for larger space-sensitive applications. Its corrosion resistant fiberglass construction makes it an excellent alternative to stainless steel products. Available in Europe, the Middle East and Africa.

Marley MS Cooling Tower—For those installations where aesthetics preclude the use of a conventional cooling tower. Each tower is custom designed to meet the needs of the individual installation. Available in a wide range of flow rates.

Marley Class 160 Cooling Tower—Similar in design to the Sigma, these highly-efficient, low-maintenance towers offer a wide choice of solutions for heavy industrial plants and large HVAC applications. Available in wood (Douglas fir or redwood). Tower cells range from 340 to 2,650 m^3/hr capacities.

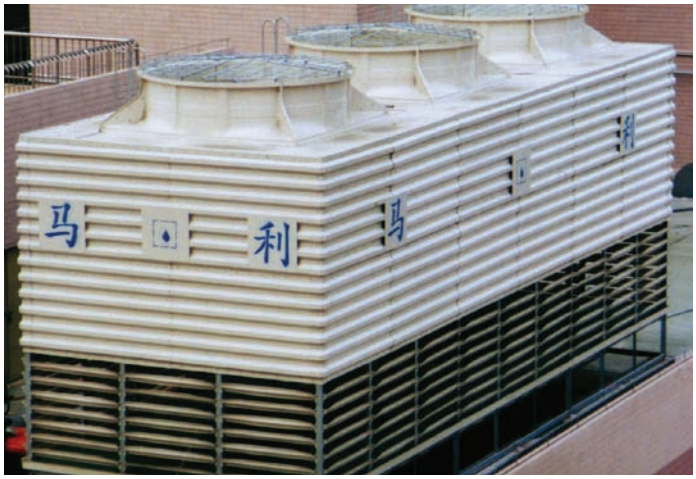
Cooling Towers

- HVAC
- Refrigeration
- Light to medium industrial

Marley Sigma Cooling Tower—These highly-efficient, low-maintenance towers offer a wide choice of solutions for medium to heavy industrial plants and large HVAC applications. Available in wood (Douglas fir or redwood), steel (stainless or galvanized), or pultruded structural fiberglass for unsurpassed quality and reliability. Tower cells range from 90 to 2,295 m^3/hr capacities.

Marley QuadraFlow® Cooling Tower—The first in the industry protected by a five-year total product warranty covering virtually every part of the tower. These fiberglass and stainless steel towers are field assembled to facilitate siting, and are available from 570 to 4,605 kW per cell. CTI Certified.

Marley Series 10/Series 15 Cooling Tower—Splash-fill design for use at high temperature or where poor water quality prevents the use of film fill. Wood structure available in treated Douglas Fir or redwood. Tower cells available from 50 to 1,090 m^3/hr.



Marley SRC Cooling Tower—Induced draft, counterflow design. Fiberglass field-erected structure. Stainless steel sub-structure option. Not available in the US, Canada or Europe.

Cooling Towers

- HVAC
- Refrigeration
- Light to medium industrial

Marley NC® Class Cooling Tower—Five-year mechanical equipment warranty and guaranteed thermal performance. Factory assembly and G-600 galvanized steel construction are standard. Cells available from 435 to 5,715 kW per cell. The all stainless steel option enhances the versatility of the NC Class line. Factory Mutual Approval standard on most models and available on all models. CTI Certified.

Marley NC® Fiberglass Cooling Tower—Fiberglass and galvanized steel, field-erected, crossflow cooling tower designed to serve air conditioning and refrigeration systems as well as light or medium industrial process loads on clean water. Stainless steel structure option available. Cells available from 460 to 4,172 kW per cell. CTI Certified. Not available in the US, Canada or Europe.

Marley MD Cooling Tower—Counterflow, induced-draft design requires less plan area than crossflow towers. Factory assembly and G-235 galvanized steel construction are standard. Tower available from 725 to 2200 kW per cell. The all stainless steel option enhances the versatility of the MD. Five-year mechanical equipment warranty. CTI Certified.

Marley AV Cooling Tower—Singleflow, induced-draft crossflow design offers pump and fan energy savings in a small footprint installation. Factory assembly and G-600 galvanized steel construction are standard. Tower cells available from 515 to 1,715 kW per cell. The all stainless steel option enhances the versatility of the AV. CTI Certified.

Cooling Towers

- HVAC
- Refrigeration
- Light to medium industrial

Marley Aquatower® Cooling Tower—Reliable performance has made this design the industry standard for more than 50 years. G-600 galvanized steel factory assembled structure. Also available in 300 series stainless steel. Capacities from 35 to 555 kW per cell. CTI Certified and FM Approved.

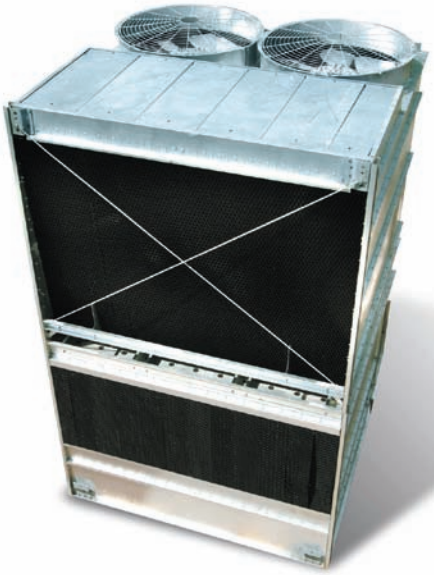
Recold JT Cooling Tower—Forced-draft, low profile design. G-600 galvanized steel factory assembled structure. Also available in 300 series stainless steel. Capacities from 135 to 1815 kW per cell.

Marley MCW Cooling Tower—Maximizes forced-draft, counterflow technology and high-performance. The ideal solution for urban and industrial applications. Available in G-600 galvanized or 300 series stainless steel construction. Capacities from 625 to 2,150 kW per cell. CTI Certified.

Marley CTF Series Cooling Tower—Forced draft, counterflow design. Fiberglass factory assembled modular structure. Film-fill or splash-fill option. Available in Europe only.

Fluid Coolers

- HVAC
- Refrigeration
- Light to medium industrial



Marley MH Fluid Cooler—The MH Fluid Cooler with CoolBoost Technology is the most efficient system on the market. It incorporates fill media and more circuits of coil to increase performance as much as 10 percent over other systems and still maintain a space-saving footprint. CTI Certified.

Marley MC Fluid Cooler—Forced draft, counterflow design. G-600 galvanized steel factory assembled structure. Also available in 300 series stainless steel. The ideal solution for sound- and space-sensitive applications. CTI Certified.

Recold MW Fluid Cooler—Induced draft, counterflow design. G-600 galvanized steel factory assembled structure. Also available in 300 series stainless steel. Proven copper coil technology.

Recold JW Fluid Cooler—Forced-draft, low profile design. G-600 galvanized steel factory assembled structure. Also available in 300 series stainless steel. Proven copper coil technology.

Evaporative Condensers

- HVAC
- Refrigeration

Recold MC Evaporative Condenser—Induced draft, counterflow design. G-600 galvanized steel factory assembled structure. Also available in 300 series stainless steel. Proven copper coil technology.

Recold JC Evaporative Condenser—Forced-draft, low profile design. G-600 galvanized steel factory assembled structure. Also available in 300 series stainless steel. Proven copper coil technology.

Dry Cooling

- Power generation
- Steam condensing

Air Cooled Condenser—The modularized A-Frame design is used on power plants of all sizes. The integral features are long-term mechanical and thermal integrity, excellent corrosion and freeze resistance, low fan power consumption, reliable operation and low maintenance. Over 800 installations world-wide.

Hexacool® Air Cooled Condenser—Smaller power and industrial applications. Standardized modular system that is low cost, easy to erect and robust in performance.

Special Applications

- Heavy industrial
- Chemical processing, refining
- Power generation

Wet-Dry Hybrid Cooling—The wet-dry hybrid cooling tower offers efficient cold water temperatures with reduced visible plume and enhanced water conservation.

AirFin™ Air Cooled Heat Exchangers—Innovative technology for petrochemical, process and power applications. AirFin heat exchangers have been designed, manufactured and supplied worldwide for over 40 years.

Indirect Dry Cooling—An indirect dry natural draft condensing system, in the example above, couples a dry cooling tower with a steam surface condenser. Such a condensing system is particularly suited for large power plants. The concept can also be applied with mechanical draft dry towers over a wide range of plant sizes.

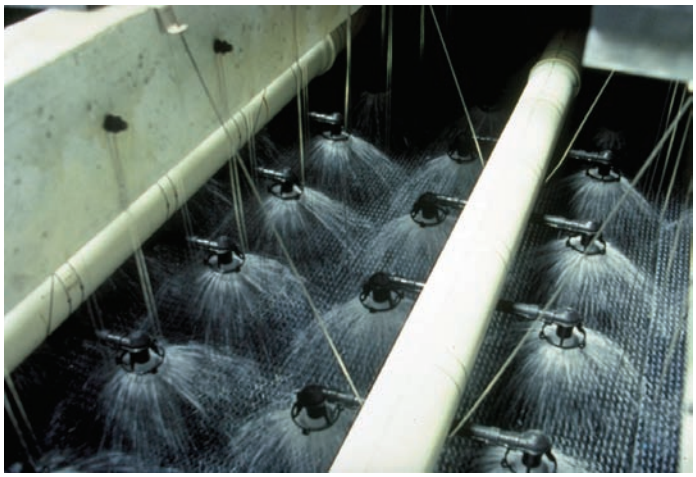
Parts and Accessories

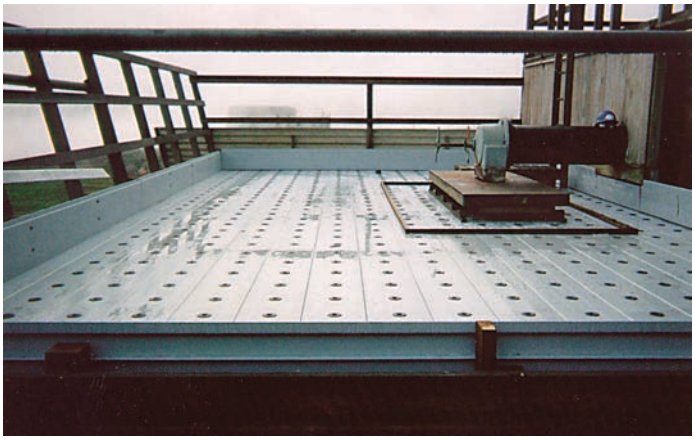
- Quality engineered
- Precision crafted
- Available for virtually any tower

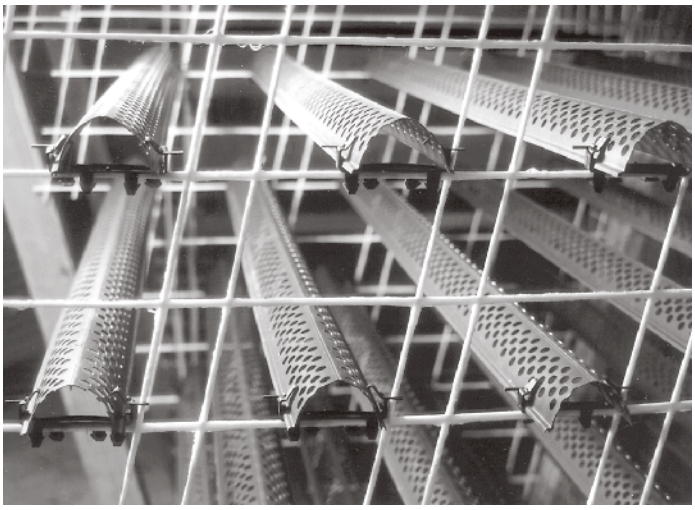
You can count on us for your cooling parts. We design, manufacture, and stock all primary cooling components, including:

- Fans
- Gear boxes
- Driveshafts
- Belt drive components
- Fan cylinders
- Fill
- Nozzles
- Drift eliminators
- Valves
- Structural components

We are uniquely able to meet almost any repair or parts need on any size or type of cooling tower regardless of its age or manufacturer.







Note SPX purchases and stocks specially designed cooling tower motors from a number of qualified suppliers.

Reconstruction and Services

- Repair and reconstruction
- Inspections and condition reports
- Performance testing

Let our reconstruction experts rebuild your tower to enhance its performance; whatever its manufacture; whether it's large or small, crossflow or counterflow.

Cooling Tower Reconstruction For many older towers, reconstruction is a cost-effective alternative to replacement. Our reconstruction experts work with our engineering staff to make old towers as good as new—if not better!

Services

Concrete Tower Repair and Reconstruction Our skilled task force of engineering, production and construction specialists stands ready to upgrade, refurbish and repair your concrete cooling tower, whether manufactured by Balcke, Marley or others. Tap into our extensive concrete experience—going back over 70 years to the very first concrete natural draft hyperbolic tower.

Inspections and Condition Reports Our reconstruction specialists have been trained to analyze the condition of your cooling equipment—and its capability to be successfully repaired, rebuilt, or upgraded. Your SPX Cooling Technologies sales representative can arrange an inspection of your cooling system.

Maintenance Let our cooling system experts help your maintenance experts. We can contract with you to provide as much "hands-on" maintenance assistance as you need.

Performance Testing You can't know how much any reconstruction effort has improved your tower unless you know how your tower is performing now. Our staff of Testing and Ratings Engineers can help you to gain that vital information.

Temporary Cooling

- Disaster response
- Maintenance outages
- Repair/replacement cooling

A sense of urgency that gives new meaning to the word “fleet.”

In this business, every minute of cool water flow, and every minute variation in water temperature counts, regardless of whether you provide emergency backup or increase production capacity. Because it all equates to profits.

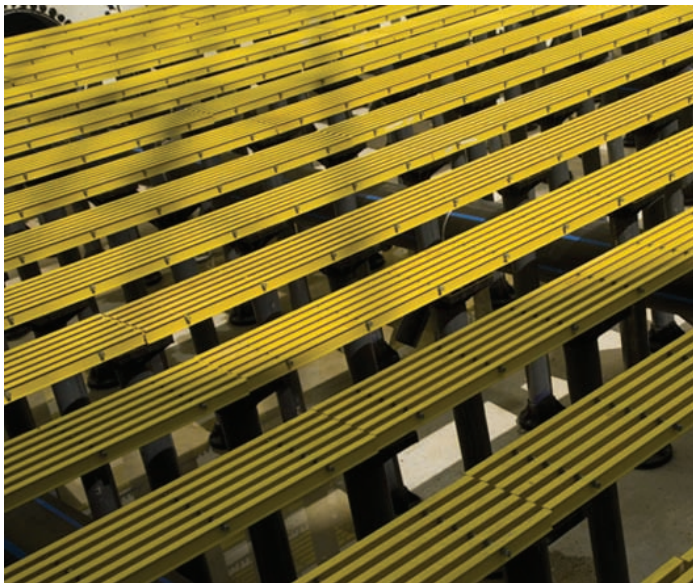
Marley Temporary Cooling Solutions is geared entirely toward making your performance our priority—including a fleet of ultra-efficient induced-draft towers, and regional support teams who are on the ground and ready to move.

Biomedia Systems

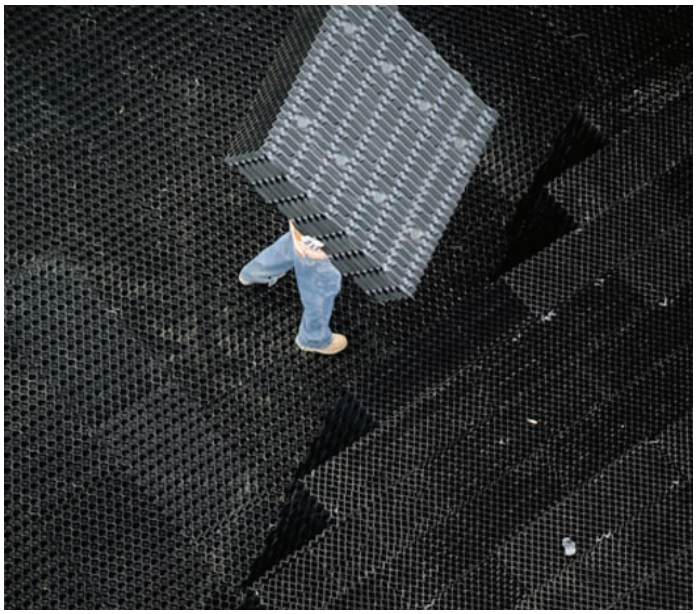
- Municipal wastewater
- Industrial wastewater
- Upgrade existing rock trickling filters

The Marley Biomedia System—A set a products specially designed to work together for waste water treatment applications. Make your projects and expansions as simple as possible with MarDek, MarGrid, MarPier, and MarPak.

MarPier™—A specialized support system for the Biomedia System that can be configured to accommodate various media loads, support heights, and floor slopes. MarPier provides a firm foundation for all common filter configurations. MarPier installs quickly and is designed specifically to be used in conjunction with MarDek to provide a strong, versatile, and reliable support for years of trouble-free operation.



MarDek™—A high-strength grating support system designed to accommodate all loads associated with trickling filter operation. With cross-bar construction, MarDek allows the grating panel to be easily cut and modified to fit almost any tank configuration. MarDek can be supported by MarPier, concrete piers, or concrete blocks.



MarPak®—A modular PVC corrugated fill media specifically designed for biological treatment applications as part of the Biomedia System.

SPX®

COOLING TECHNOLOGIES

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In the interest of technological progress, all products are subject to design and/or material change without notice.
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